		AC
	Application No.	Applicant(s)
Notice of Allowability	09/766,711	VAIDYANATHAN, KRISHNAMURTHY
	Examiner	Art Unit
	Phuong Phu	2631
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commits IGHTS. This application is	n this application. If not included nunication will be mailed in due course. THIS
1. 🔀 This communication is responsive to the Amendment filed	on 7/7/04.	
2. X The allowed claim(s) is/are 2-11,13-19 and 21-23.		
3. X The drawings filed on 22 January 2001 are accepted by th	e Examiner.	
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in to 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	e been received. e been received in Application cuments have been received of this communication to file. MENT of this application. Mitted. Note the attached EX es reason(s) why the oath cost be submitted. Son's Patent Drawing Reviews Amendment / Comment of the header according to 37 C sit of BIOLOGICAL MAT	on No ed in this national stage application from the e a reply complying with the requirements AMINER'S AMENDMENT or NOTICE OF or declaration is deficient. w (PTO-948) attached or in the Office action of the drawings in the front (not the back) of FR 1.121(d). ERIAL must be submitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview S Paper No. 08), 7. Examiner's	Informal Patent Application (PTO-152) Summary (PTO-413), /Mail Date Summary (PTO-413), Summary (PTO-4
oi biologicai iviateriai	9. 🔲 Other	- ∙

Application/Control Number: 09/766,711

Art Unit: 2631

REASONS FOR ALLOWANCE

- 1. This Office Action is responsive to the Amendment filed on 7/7/04.
- 2. Claims 2-11, 13-19 and 21-23 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

As per independent claims 4 and 5, none of prior art of record teaches or suggests a system comprising a synchronization circuit, in associated with limitations recited in the respective claims.

As per independent claim 9, none of prior art of record teaches or suggests a system comprising, in combination, a synchronization circuit and a DC estimator circuit, in associated with limitations recited in the claim.

As per independent claims 15 and 16, none of prior art of record teaches or suggests a method comprising step of obtaining a fine frequency estimate of a single carrier signal, in associated with limitations recited in the claims and in combination with other steps recited in the claims.

As per independent claims 21 and 22, none of prior art of record teaches or suggests a method comprising, in combination, step of generating a time domain DC estimate and step of providing said time domain DC estimate to a fine frequency estimate and phase estimate circuit, in associated with limitations recited in the respective claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 09/766,711

Art Unit: 2631

Any inquiry concerning this communication or earlier communications from the 4.

examiner should be directed to Phuong Phu whose telephone number is 571-272-3009. The

examiner can normally be reached on M-F (8:30-6:00) First Monday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mohammad Ghayour can be reached on 571-272-3021. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phuong Phu **Primary Examiner** Art Unit 2631

Page 3

Phuong Phu 08/26/04

Phump phy

PHUONG PHU PRIMARY EXAMINER